

Appln No. 09/835,937

Amdt date August 14, 2003

Reply to Office action of June 25, 2003

**REMARKS/ARGUMENTS**

Claims 1-8, 13-26, 31, 32 and 34-36 remain in the present application, of which claims 1, 13, 22 and 31-32 are independent. Claims 20 and 21 have been amended herein. Applicants appreciate the allowance of claims 1-8, 13-19, 22-26, 31, 32 and 34-36. Applicants respectfully request reconsideration and allowance of claims 20 and 21.

Applicants appreciate the time and courtesy extended to applicants' attorney (Jun-Young E. Jeon, Reg. No. 43,693) during the telephone interview of July 28, 2003. During the interview, claims 20 and 21 have been discussed. An agreement was reached in that claims 20 and 21 would be allowable if amended to replace "optimized" with -- suitable --. Applicants have amended claims 20 and 21 accordingly. Therefore, applicants respectfully request that claims 20 and 21 be allowed in addition to the already allowed claims 1-8, 13-19, 22-26, 31, 32 and 34-36.

The Examiner has disapproved the drawing corrections mailed with the amendment on April 13, 2003. In response, applicants are submitting herewith a redlined drawing changes as well as a set of formal drawings. The summary of the drawing changes is as follows.

The Examiner in the Office Action mailed December 18, 2002 objected to the drawings under 37 CFR § 1.83(a) as not showing readout electronics, guard rings, field plates, light guides and scintillators, respectively. Applicants propose corrected drawings FIG. 1 and FIG. 2 that show readout electronics 25 and 125, respectively. In addition, certain labels that are not

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needed have been deleted from FIGS. 1 and 2. Further, applicants previously canceled claims 12 and 30, and therefore, applicants respectfully submit that there is no need to show either guard rings or field plates on the drawings.

Applicants have also deleted FIG. 3 (and reference to it in the specification), which is directed to an embodiment that is not suitable for the purposes of the present invention, and hence is not being claimed herein. With the FIG. 3 deleted, original FIGS. 1-6 have been rerumbered as FIGS. 1-5.

In addition, applicants have added new FIG. 6, which illustrates a scintillator 640 directly coupled to the entrance window 620 of a light sensitive array 610. Further, applicants have added new FIG. 7, which illustrates a scintillator 740 that interfaces with the entrance window 720 of a light sensitive array 710 via an interface 742 that serves as a light guide. No new matter has been added to any of these drawings. For example, claim 15 as filed recites "[t]he detector array . . . wherein the entrance window is directly coupled with the CsI(Tl) scintillator," and claim 16 as filed recites "[t]he detector array . . . wherein the entrance window is coupled with the CsI(Tl) scintillator via an interface that functions as a light guide between the entrance window and the CsI(Tl) scintillator." In addition, the light sensitive arrays 610 and 710 have substantially the same structure as the light sensitive arrays 10 and 110 of FIGS. 1 and 2. Therefore, applicants respectfully request that these drawing changes be entered and the objection to the drawings be withdrawn.

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In view of the foregoing amendments and remarks, applicants respectfully request an early issuance of a patent. If there are any remaining issues that can be addressed over the telephone, the Examiner is invited to call applicants' attorney at the number listed below.

Respectfully submitted,  
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